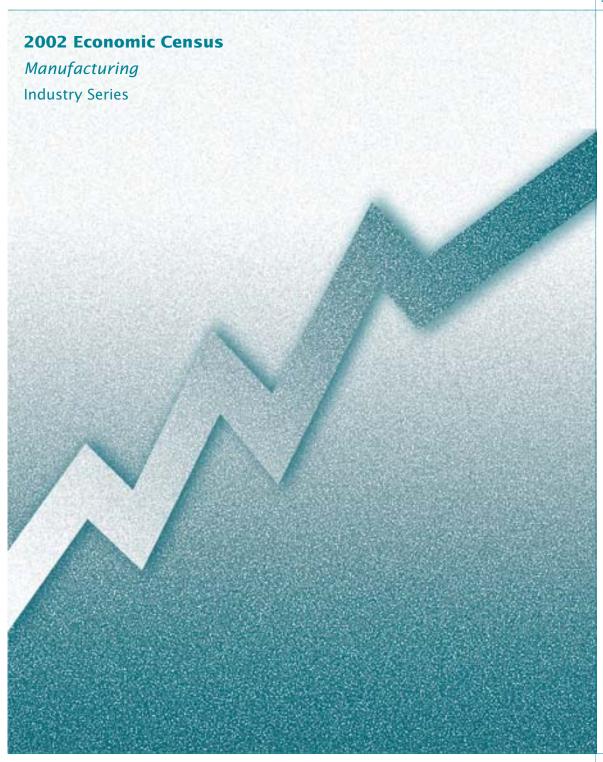
Primary Aluminum Production: 2002

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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

		Com- lish- anies ² All estab- lish- ments ³	All em	ployees	Production workers				Total	Total	Total capital
Industry and year ¹	Com- panies ²		Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	shipments	expendi- tures (\$1,000)
331312, Primary aluminum production2002 2001 2000 1999 1998 1997	27 N N N N	41 N N N N 21	13 108 12 859 14 758 16 168 16 317 15 763	695 352 583 121 662 516 687 678 730 453 707 402	10 196 10 174 11 878 13 019 13 098 12 624	21 372 19 429 24 402 25 987 26 621 26 074	502 064 426 606 487 502 498 745 524 792 512 941	1 943 691 2 278 969 2 103 697 2 108 713 2 299 357 2 432 972	3 507 287 3 076 601 3 918 114 3 688 910 3 912 975 3 706 850	5 447 331 5 363 271 6 028 565 5 810 350 6 211 867 6 224 610	'170 840 258 570 350 859 351 602 394 546 320 294

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Table 2. Industry Statistics for Selected States: 2002

[Not applicable for this report]

Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
331312, Primary aluminum production	
Companies ¹ number	27
All establishments ²	41 13 7 21
All employees3 number Total compensation \$1,000 Annual payroll \$1,000 Total fringe benefits \$1,000	13 108 941 053 695 352 245 701
Production workers, average for year	10 196 10 322 10 231 10 194 10 032
Production worker hours	21 372 502 064
Total cost of materials \$1,000. Materials, parts, containers, packaging, etc., used \$1,000. Resales \$1,000. Purchased fuels \$1,000. Purchased electricity \$1,000. Contract work \$1,000.	3 507 287 2 198 857 8 752 179 997 1 053 408 66 273
Quantity of electricity purchased for heat and power	37 906 079 S
Total value of shipments \$1,000 Primary products value of shipments \$1,000 Secondary products value of shipments \$1,000 Total miscellaneous receipts \$1,000 Value of resales \$1,000 Contract receipts \$1,000 Other miscellaneous receipts \$1,000	5 447 331 D D 89 219 9 312 44 026
Primary products specialization ratio percent. Value of primary products shipments made in all industries \$1,000. Value of primary products shipments made in this industry \$1,000. Value of primary products shipments made in other industry \$1,000.	35 881 D D D D
Coverage ratiopercent.	97
Value added\$1,000	1 943 691
Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	671 730 73 778 233 380 364 572
Total inventories, end of year \$1,000 Finished goods inventories \$1,000 Work-in-process inventories \$1,000 Materials and supplies inventories \$1,000	696 172 95 024 215 781 385 367
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000 Total capital expenditures (new and used) \$1,000 Buildings and other structures (new and used) \$1,000 Machinery and equipment (new and used) \$1,000 Automobiles, trucks, etc., for highway use \$1,000 Computers and peripheral data processing equipment \$1,000 All other expenditures for machinery and equipment \$1,000 Total retirements \$1,000 Gross value of depreciable assets at end of year \$1,000	'3 880 086 '170 840 '20 847 '149 993 '2 585 '3 211 '144 197 '68 996 '3 981 930
Depreciation charges during year	r194 153
Total rental payments \$1,000. Buildings and other structures \$1,000. Machinery and equipment \$1,000.	16 350 3 140 13 210
Total other expenses ⁴ \$1,000. Response coverage ratio ⁵ percent. Repair and maintenance services of buildings and/or machinery ⁴ \$1,000. Communications services ⁴ \$1,000. Legal services ⁴ \$1,000. Accounting, auditing, and bookkeeping services ⁴ \$1,000. Advertising and promotional services ⁴ \$1,000. Expensed computer hardware and supplies and purchased computer services ⁴ \$1,000. Refuse removal (including hazardous waste) services ⁴ \$1,000. Management consulting and administrative services ⁴ \$1,000. All other expenses ⁴ \$1,000.	164 407 79 41 920 2 540 5 088 3 795 334 6 120 18 847 9 656 15 028 61 079

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on 2002 Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

			All employees		Pr	oduction worke	ers		Total	Total	Total
Employment size class	E¹	All estab- lish- ments ²	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	capital expendi- tures (\$1,000)
331312, Primary aluminum production											
All establishments Establishments with — 1 to 4 employees . 5 to 9 employees . 10 to 19 employees . 20 to 49 employees . 100 to 249 employees . 50 to 499 employees . 500 to 999 employees . 500 to 999 employees . 1,000 to 2,499 employees . 2,500 employees . 2,500 employees or more .	9 2 2	41 9 2 2 4 3 3 5 10 3	13 108 28 a b c 194 461 g 7 133 3 485	695 352 1 135 D D 7 397 24 947 D 408 968 160 610	10 196 18 D D 157 358 D 5 528 2 852	21 372 32 D D 330 801 D 11 719 5 816	502 064 748 D D 5 128 17 868 D 292 765 125 442	1 943 691 2 690 D D 17 943 122 626 D 979 834 526 975	3 507 287 5 906 D D 38 927 101 608 D 1 992 508 796 279	5 447 331 8 612 D D 57 004 227 553 D 2 969 710 1 324 378	r170 840 r183 D D r1 387 D D 94 486 r51 267
Administrative records ⁴	_	_	_	_	_	_	_	_	_	_	_

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or	Industry or primary product class	All	All em	ployees	Production workers				Total	Total	Total capital
product class code		estab- lish- ments ¹	Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
331312	Primary aluminum production	41	13 108	695 352	10 196	21 372	502 064	1 943 691	3 507 287	5 447 331	r170 840
3313120	Aluminum ingot, including billet, made in primary aluminum reduction plants	41	13 108	695 352	10 196	21 372	502 064	1 943 691	3 507 287	5 447 331	r170 840

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of		Product shipments		
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
331312	Primary aluminum production	ZZ	X	X	5 377 419 6 116 371	
3313120	Aluminum ingot, including billet, made in primary aluminum	N N	X	X	5 377 419	
33131201	Aluminum ingot, including billet, made in primary aluminum 2002. reduction plants	N N	X	×	5 377 419 N	
3313120100	Aluminum ingot, including billet, made in primary aluminum reduction plants	42 N	X	×	5 377 419 N	
3313120Y	Primary aluminum production, nsk, total	N N	X)	- N	
3313120YWW	Primary aluminum production, nsk, for nonadministrative- record establishments	N.	X	, x	- · · · · - · · · · · · · · · · · · · ·	
3313120YWY	Primary aluminum production, nsk, for administrative-record establishments	N N N	X X X	X X X	_ _ N	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
331312	Primary aluminum production		
00900001	Total materials		2 198 857 2 474 128
33131209	Aluminum and aluminum-base alloy ingot	D	2 474 128 D 246 505
33100009	All other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	x	246 505 D 183 113
33141103	Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.), including blister and anode copper	D	D D
33100015	All other copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	x	D
33141937	Magnesium and magnesium-base alloy ingot	X	2 797 37 880 52 638
33141907	All other magnesium and magnesium-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)		D 15 246
33141927	All other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products)		17 822
00190040	Aluminum and aluminum-base alloy scrap (excluding home scrap)	X 6.5	47 331 6 970 D
00190052	All other nonferrous metal and metal-base alloy scrap		D
33131100	1997 Alumina (gross weight)	P5 227.5	818 476
00970099	1997 All other materials and components, parts, containers, and supplies	X	1 266 680 901 352 632 759
00971000	Materials, ingredients, containers, and supplies, nsk2002 1997	x	246 498 -

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.